

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(fiber and column and exchange and distributor and tube and hole and stage).clm.	US-PGPUB	OR	ON	2007/01/18 08:22
S1	13	((("3754777") or ("3758404") or ("3839487") or ("5904849") or ("3992156"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/01 11:21
S2	18	("2361780"   "3754377"   "3758404"   "3839487"   "4056462"   "4059670"   "4416782"   "4729832"   "4771616"   "4786414"   "4810387"   "4941998"   "4978492"   "5096567"   "5204002").PN. OR ("5904849").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/18 08:21
S3	13	("3839487").URPN.	USPAT	OR	ON	2006/09/01 11:26
S4	33	("0459254"   "1864911"   "2054809"   "2728714"   "3014861"   "3207691"   "3496996"   "3585005"   "3617531").PN. OR ("3992156").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 11:27
S5	20	(US-5904849-\$ or US-4978492-\$ or US-4810387-\$ or US-4416782-\$ or US-3839487-\$ or US-3758404-\$ or US-3754377-\$ or US-3992156-\$ or US-5997731-\$ or US-5961819-\$ or US-5705074-\$ or US-5395517-\$ or US-5354482-\$ or US-4753722-\$ or US-4746494-\$ or US-4675100-\$ or US-4666689-\$ or US-4491565-\$).did. or (US-3839487-\$ or US-3758404-\$).did.	USPAT; USOCR	OR	ON	2006/09/01 11:42
S6	8	S5 and metal\$3 near3 fiber	USPAT; USOCR	OR	ON	2006/09/01 11:42
S7	5	S6 and stage	USPAT; USOCR	OR	ON	2006/09/01 12:17
S8	0	S5 and co-current	USPAT; USOCR	OR	ON	2006/09/01 12:22
S9	1	S5 and counter-current	USPAT; USOCR	OR	ON	2006/09/01 12:18
S10	1	S5 and counter near3 current	USPAT; USOCR	OR	ON	2006/09/01 12:18
S11	4	S5 and cocurrent	USPAT; USOCR	OR	ON	2006/09/01 12:22

## EAST Search History

S12	18	("2361780"   "3754377"   "3758404"   "3839487"   "4056462"   "4059670"   "4416782"   "4729832"   "4771616"   "4786414"   "4810387"   "4941998"   "4978492"   "5096567"   "5204002"). PN. OR ("5904849").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 12:25
S13	30	("2215359"   "3585005"   "3758404"   "3839487"   "3923645"   "3977829"   "3989466"   "3992156"   "4019869"   "4039389"   "4206079"   "4213877"   "4219420"   "4364821"   "4481107"   "4491565"   "4666689"   "4675100"   "4746494"   "4753722"   "5434329"). PN. OR ("5997731").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:06
S14	26	("2215359"   "3585005"   "3839487"   "3923645"   "3977829"   "3989466"   "3992156"   "4019869"   "4039389"   "4206079"   "4213877"   "4219420"   "4364821"   "4481106"   "4481107"   "4490246"   "4491565"   "4675100"   "4753722").PN. OR ("5961819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:09
S15	17	("3758404"   "3977829"   "3992156"   "4666689"   "4675100"   "4746494"   "4753722"   "4842715"   "5154831"   "5271841"   "5328615"   "5413717"   "5518621").PN. OR ("5705074").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:10
S16	17	("2560978"   "2869844"   "3178260"   "3977829"   "3992156"   "4347226"   "4350599"   "4384959"   "4666689"   "4675100"   "4812243"   "5082571"). PN. OR ("5395517").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:11
S17	20	("2560978"   "2869844"   "3178260"   "3963611"   "3977829"   "3992156"   "4347226"   "4350599"   "4384959"   "4666689"   "4675100"   "4812243"   "5082571").PN. OR ("5354482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:12

## EAST Search History

S18	198	("2176806"   "2215359"   "2299426"   "2425414"   "2508817"   "2565349"   "2606099"   "2662001"   "2671048"   "2674566"   "2723944"   "2740749"   "2853432"   "2859177"   "2906706"   "2921021"   "2937986"   "2988500"   "3098033"   "3107213"   "3108081"   "3205164"   "3226092"   "3238124"   "3258421"   "3351434"   "3371031"   "3408287"   "3409543"   "3413215"   "3445380"   "3449239"   "3471254"   "3496996"   "3515677"   "3565959"   "3574093"   "3585005"   "3758404"   "3785964"   "3839487"   "3853746"   "3923645"   "3931054"   "3972829"   "3977829"   "3989466"   "3992156"   "3998759"   "4003827"   "4009120"   "4018705"   "4019869"   "4033860"   "4039389"   "4039586"   "4040947"   "4048097"   "4070271"   "4078992"   "4081354"   "4087378"   "4088569"   "4090954"   "4098681"   "4100057"   "4104155"   "4107078"   "4113604"   "4121988"   "4121997"   "4121999"   "4124493"   "4124494"   "4124531"   "4127474"   "4141819"   "4142964"   "4156641"   "4157312"   "4159964"   "4168245"   "4199440"   "4201626"   "4203827"   "4206043"   "4206079"   "4207173"   "4213877"   "4219420"   "4248694"   "4250022"   "4260479"   "4276194"   "4290913"   "4290916"   "4290917"   "4293442"   "4295993"   "4298463"   "4298502"   "4299729"   "4308169"   "4324650"   "4337147"   "4347226"   "4354926"   "4360421"   "4362614"   "4364821"   "4364843"   "4374042"   "4378305"   "4404098"   "4411776"   "4412912"   "4412913"   "4417986"   "4481106"   "4481107"   "4490246"   "4491565"   "4498977"   "4498978"   "4502949").PN. OR ("4514286"   "4562300"   "4574121"   "4594147"   "4666689").PN. OR ("4753722").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:13
-----	-----	---	------------------------------	----	----	------------------

## EAST Search History

S19	66	("2176806"   "2215359"   "2853432"   "2988500"   "3107213"   "3371031"   "3408287"   "3409543"   "3413215"   "3445380"   "3477828"   "3515677"   "3574093"   "3585005"   "3758404"   "3839487"   "3923645"   "3977829"   "3989466"   "3992156"   "4019869"   "4039389"   "4070271"   "4098681"   "4121998"   "4121999"   "4124493"   "4199440"   "4206043"   "4206079"   "4213877"   "4219420"   "4298502"   "4346060"   "4362614"   "4364821"   "4364843"   "4481106"   "4481107"   "4490246"   "4491565"   "4498977"   "4498978"   "4502949").PN. OR ("4746494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:18
S20	50	("2215359"   "2299426"   "2662001"   "2853432"   "2921021"   "2988500"   "3226092"   "3238124"   "3351434"   "3408287"   "3496996"   "3585005"   "3758404"   "3839487"   "3977829"   "3989466"   "3992156"   "4219420"). PN. OR ("4491565").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 14:25
S21	395	(210/511).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/01 14:26
S22	395	(210/511).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/01 14:41
S23	511	(422/256).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/01 15:40
S24	107	S23 and distribut\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 15:40
S25	23	S24 and plate with hole	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/01 15:40